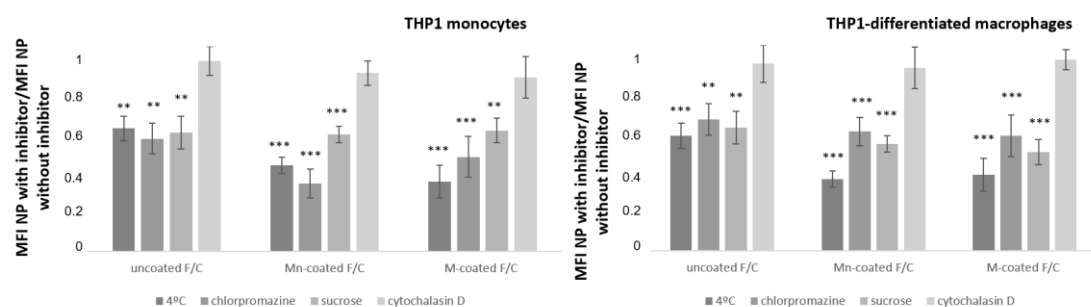


# Targeting mannose receptor with functionalized fucoidan/chitosan nanoparticles triggers the classical activation of macrophages

Filipa Serrasqueiro<sup>1</sup>, Ana Isabel Barbosa<sup>1</sup>, Sofia A. Costa Lima<sup>2,\*</sup>, Salette Reis<sup>1,\*</sup>

## Supplementary data



**Figure S1.** Mechanism of internalization of uncoated and sugar-coated F/C nanoparticles. Effect of inhibitors of clathrin-mediated endocytosis (4°C; chlorpromazine and sucrose) and of macropinocytosis (cytochalasin D) upon 1 hour of incubation with THP1 monocytes and differentiated macrophages. MFI – mean fluorescence intensity; NP – nanoparticle; F/C – fucoidan/chitosan; Mn – mannan; M – mannose. \*\*  $p < 0.01$ ; \*\*\*  $p < 0.001$ .

**Table S1.** THP-1-differentiated macrophages secreted cytokines

	IL1 $\beta$ (pg/mL)	IL-6 (pg/mL)	TNF- $\alpha$ (pg/mL)
Untreated cells	55 $\pm$ 9	214 $\pm$ 11	235 $\pm$ 9
Mn	63 $\pm$ 6	240 $\pm$ 19	215 $\pm$ 7
M	65 $\pm$ 3	228 $\pm$ 6	198 $\pm$ 9

Data represents mean  $\pm$  standard deviation (n=3)